

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/982,591	DERGUN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Owen J Frazier	2687	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 14 January 2005.
2. ☒ The allowed claim(s) is/are 1-13 and 15-20.
3. ☒ The drawings filed on 17 October 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date <u>1/14/2005</u></li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date <u>6/24/05</u></li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____.</li> </ol> |
|---|--|

**DETAILED ACTION**

***Information Disclosure Statement***

1. The examiner has considered the references listed in the Information Disclosure Statement filed on 1/14/2005.

***Response to Amendment***

2. This office action is in response to amendment filed 1/14/2005.
3. Claims 1-13 and 15-20 are pending. Claim 14 has been canceled.

**EXAMINER'S AMENDMENT**

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
5. Authorization for this examiner's amendment was given in a telephone interview with Thomas Frame on 6/24/2005.

The application has been amended as follows:

**IN THE CLAIMS**

Claim 1, line 17: "form" has been replaced by --from the--.

Claim 12, line 21: "form" has been replaced by --from the--.

17. A wireless base station for use in a wireless network, comprising:  
a local clock unit having a clock divider, the clock divider operable to receive a master clock signal, the clock divider operable to generate local signals in response to

the master clock signal and to derive frame and burst clocks from the master clock signal;

wherein the wireless base station is a first wireless base station in a first cluster of a plurality of wireless base stations having a wireless communication link to a first wireless base station in a second cluster of a plurality of wireless base stations, and wherein the first wireless base station in the first and second clusters each include the local clock unit having the internal clock divider that is operable to derive frame and burst clocks from the received master clock signal; and

a wireless interface operable to receive a synchronization pulse, the clock divider operable to reset in response to the synchronization pulse so that the local signals can be synchronized with local signals from other base stations in order to achieve a level of synchronization separate from the synchronization provided by the master clock signal.

***Allowable Subject Matter***

6. Claims 1-13 and 15-20 are allowed.

7. The following is an examiner's statement of reasons for allowance:

The present invention is directed toward synchronization of clock dividers in a wireless network. While prior art such as Yahata (US 6,480,483) disclose frame synchronization between a first wireless base station in a first cluster and a first wireless base station in a second cluster, there is no mention or suggestion of the limitations where each base station includes a local clock unit having an internal clock divider that is operable to derive frame and burst clocks from a received master clock signal and resetting the internal clock dividers in each wireless base station in response from the synchronization pulse provided by the master clock signal in order to achieve a level of

synchronization separate from the synchronization provided by the master clock signal. No other prior art teaches or suggests these limitations in a combinable manner to make a rejection. Therefore, for the above reasons and reasons stated in applicants remarks filed on 1/14/2005, independent claims 1, 12 and 17 are allowed.

Claims 2-11, 13, 15-16, and 18-20 are allowed for being dependent claims of allowed claims 1, 12, and 17 respectively.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

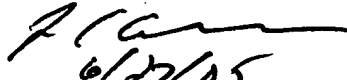
### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Owen J Frazier whose telephone number is (571) 272-7921. The examiner can normally be reached on Monday-Friday 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

OJF  
6/24/2005

  
6/27/05  
LESTER G. KINCAID  
PRIMARY EXAMINER